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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.

Michael R. Kirk

Acting Commissioner of Patents and Trademarks

Sandra L. Morton

Attest



US005207018A

United States Patent [19]

Reaver et al.

[11] Patent Number: **5,207,018**[45] Date of Patent: **May 4, 1993**[54] **COMBINATION FLY SWATTER AND INSECT TRAP**

[76] Inventors: Robert R. Reaver, Carol Reaver, both of 1643 Avenida Loma Vista, San Dimas, Calif. 91773

[21] Appl. No.: **830,382**[22] Filed: **Feb. 3, 1992**[51] Int. Cl.⁵ **A01M 3/00; A01M 3/02**[52] U.S. Cl. **43/137; 43/134**[58] Field of Search **43/134, 137, 139**[56] **References Cited****U.S. PATENT DOCUMENTS**

499,722	6/1893	Edge	43/134
1,081,364	12/1913	Chapman	43/137
1,179,303	4/1916	Hanlon	43/137
1,462,416	7/1923	McDermott	43/134
1,604,460	10/1926	Marlow	
3,494,067	2/1970	Potruszki	
3,659,374	5/1972	Steves	43/134
4,120,114	10/1978	Little	43/137
4,132,027	1/1979	Malacheski	43/134
4,174,586	11/1979	Burzdak	
4,272,906	6/1981	Liebling	
4,324,062	4/1982	Schneider	
4,759,150	7/1988	Pierce	43/137

FOREIGN PATENT DOCUMENTS

3926573 3/1990 Fed. Rep. of Germany 43/137

533116 3/1921 France 43/137
908392 10/1962 United Kingdom 43/134*Primary Examiner—Kurt C. Rowan
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[57]

ABSTRACT

A hand held fly swatter apparatus is provided which is capable of being configured to capture insects alive from given surfaces to allow their subsequent disposal. The apparatus includes a flexible handle having a transparent rigid housing attached to a front end thereof. The housing defines an insect trap compartment having a large aperture through which an insect is placed within the insect trap compartment. The housing provides a pair of parallel channels which extend along opposite sides of the compartment aperture and are arranged to support a front end portion of a mesh closure member. The mesh closure member is slidable between a retracted position to permit access to the insect trap compartment, and an extended position wherein the mesh closure member covers the compartment aperture. A rear slide clamp attached to a rear end portion of the mesh closure member supports the closure member relative to the handle. Bumpers are provided to limit movement of the mesh closure member between the defined retracted and extended positions. The housing and the mesh closure member, in its extended position, cooperatively provide a fly swatter.

19 Claims, 1 Drawing Sheet